

C L A I M S

1. A platform dolly having a platform support comprising:

(a) the platform dolly including the platform support having casters and an adjustable hinged locking mechanism mounted thereon;

(b) a composite material forming the platform support; and

(c) the composite material providing light weight and great strength for the platform support.

2. The platform dolly of Claim 1 further comprising:

(a) the platform support having at least one adjustable bumper block mounted on at least one edge thereof;

(b) the at least one adjustable bumper block serving to adjust at least one factor selected from the group consisting of a width of the platform support a height of the platform support and a length of the platform support; and

(c) at least one securing means supporting the at least one adjustable bumper block in a desired position.

3. The platform dolly of Claim 2 further comprising:

(a) the platform support having a rectangular shape;

(b) the at least one adjustable bumper block being a first pair of adjustable bumper blocks and a second pair of adjustable bumper blocks;

(c) the first pair of adjustable bumper blocks being on a first side of the rectangular shape;

(d) the second pair of adjustable bumper blocks being on a second side of the rectangular shape;

(e) the first side of the rectangular shape being oppositely disposed from the second side of the rectangular shape;

(f) the first pair of adjustable bumper blocks being positionable relative to the first side of the rectangular shape; and

(g) the second pair of adjustable bumper blocks being positionable relative to the second side of the rectangular shape.

4. The platform dolly of Claim 3 further comprising:

(a) a first hinge system securing the first pair of adjustable bumper blocks to the first side of the rectangular shape; and

5 (b) a second hinge system securing the second pair of adjustable bumper blocks to the second side of the rectangular shape;

(c) at least one securing means supporting the at least one adjustable bumper block in a first desired position.

10 (d) at least one positioning means positioning the at least one adjustable block in a second desired position.

5. The platform dolly of Claim 4 further comprising:

(a) the securing means comprising a T-bar block holder and T-bar receiver oppositely disposed on the at least one adjustable block and the rectangular shape;

5 (b) the securing means being adapted to hold the at least one adjustable bumper block at a right angle to the platform support;

10 (c) the positioning means comprising a loop portion of fastener with a hook portion being oppositely disposed on the rectangular shape; and

(d) the positioning means being adapted to hold the at least one adjustable bumper block adjacent to the platform support.

6. The platform dolly of Claim 5 further comprising:

(a) the first hinge system including a first hinge for a first member of the first pair of adjustable bumper blocks;

5 (b) the first hinge system including a second hinge for a second member of the first pair of adjustable bumper blocks;

(c) the second hinge system including a third hinge for a first member of the second pair of adjustable bumper blocks; and

10 (d) the second hinge system including a second hinge for a second member of the second pair of adjustable bumper blocks.

7. The platform dolly of Claim 6 further comprising:

(a) the T-bar block holder having a hinge assembly and oppositely disposed from a T-bar receiver on the at least one adjustable block and the support platform rectangular shape;

5 (b) the hinge assembly including a hinged plate and a bent wire bar;

(c) the bent wire bar having a T-shaped head oppositely disposed from a hinged base;

10 (d) the hinge plate receiving the hinged base in movable relationship; and

(e) the T-bar receiver receiving the T-shaped head.

8. The platform dolly of Claim 7 further comprising:

(a) the T-bar block holder being present for each of the at least one adjustable bumper block;

(b) the at least one adjustable bumper block serving to adjust at least one dimension of the platform dolly selected from the group consisting of a height of the platform support, and the width of the platform; and

(c) the first hinge system and the second hinge system including at least one flexible hinge;

9. The platform dolly of Claim 8 further comprising:

(a) the T-bar block holder holding the at least one bumper block in an upright 90-degree position relative to the platform support;

(b) the at least one bumper block and the platform support being formed from a composite fabricated structure; and

(c) the composite fabricated structure being light weight.

10. The platform dolly of Claim 9 further comprising:

(a) a coating covering the platform dolly; and

(b) the coating serving at least one function selected from the group consisting of a decorative function and an identity function.

11. The platform dolly of Claim 9 further comprising:

(a) the platform support serving at least one function selected from the group consisting of a decorative function and an identity function;

5 (b) the platform support having a generally rectangular shape;

(c) the platform support having the flexible hinge on each side thereof; and

(d) the flexible hinge on each side thereof having a member of the at least one bumper block mounted thereon.

12. The platform dolly of Claim 11 further comprising:

(a) the flexible hinge being releasable in order to permit adding or removing of the at least one bumper block;

5 (b) the composite construction being at least one material selected from the group consisting of resin coated balsa wood, resin fabric covering balsa wood and resin impregnated carbon fabric;

(c) a caster wheel mounted at each corner of the rectangular shape;

10 (d) the platform support including a platform aperture for use as a handle.

13. A platform dolly having a platform support comprising:

(a) the platform dolly including the platform support having casters and an adjustable locking mechanism mounted thereon;

(b) a composite material forming the platform support;

(c) the composite material providing light weight and great strength for the platform support;

(d) the platform support having at least one adjustable bumper block mounted on at least one edge thereof;

(e) the at least one adjustable bumper block serving to adjust at least one factor selected from the group consisting of a width of the platform support, a height of the platform support and a length of the platform support;

(f) the composite construction being at least one material selected from the group consisting of resin coated balsa wood, and resin fabric covering balsa wood; and

(g) at least one securing means supporting the at least one adjustable bumper block in a desired position.

14. The platform dolly of Claim 13 further comprising:

(a) the platform support having a rectangular shape;

(b) the at least one adjustable bumper block being a first pair of adjustable bumper blocks and a second pair of adjustable bumper blocks;

(c) the first pair of adjustable bumper blocks being on a first side of the rectangular shape;

(d) the second pair of adjustable bumper blocks being on a second side of the rectangular shape;

(e) the first side of the rectangular shape being oppositely disposed from the second side of the rectangular shape;

(f) the first pair of adjustable bumper blocks being positionable relative to the first side of the rectangular shape; and

(g) the second pair of adjustable bumper blocks being positionable relative to the second side of the rectangular shape.



15. The platform dolly of Claim 14 further comprising:

(a) a first hinge system securing the first pair of adjustable bumper blocks to the first side of the rectangular shape; and

5 (b) a second hinge system securing the second pair of adjustable bumper blocks to the second side of the rectangular shape;

(c) at least one securing means supporting the at least one adjustable bumper block in a first desired position.

10 (d) at least one positioning means positioning the at least one adjustable block in a second desired position.

16. The platform dolly of Claim 15 further comprising:

(a) the securing means comprising a T-bar block holder and T-bar receiver oppositely disposed on the at least one adjustable block and the rectangular shape;

5 (b) the securing means being adapted to hold the at least one adjustable bumper block at a right angle to the platform support;

(c) the positioning means comprising a loop portion of fastener with a hook portion being oppositely disposed on the rectangular shape; and

10 (d) the positioning means being adapted to hold the at least one adjustable bumper block adjacent to the platform support.

17. The platform dolly of Claim 16 further comprising:

(a) the first hinge system including a first hinge for  
a first member of the first pair of adjustable bumper blocks;

5 (b) the first hinge system including a second hinge for  
a second member of the first pair of adjustable bumper blocks;

(c) the second hinge system including a third hinge for  
a first member of the second pair of adjustable bumper blocks;  
and

10 (d) the second hinge system including a second hinge for  
a second member of the second pair of adjustable bumper  
blocks.

18. The platform dolly of Claim 17 further comprising:

(a) the T-bar block holder having a hinge assembly and  
oppositely disposed from a T-bar receiver on the at least one  
adjustable block and the support platform rectangular shape;

5 (b) the hinge assembly including a hinged plate and a  
bent wire bar;

(c) the bent wire bar having a T-shaped head oppositely  
disposed from a hinged base;

10 (d) the hinge plate receiving the hinged base in movable  
relationship; and

(e) the T-bar receiver receiving the T-shaped head.

19. A method of moving a heavy item with a platform dolly comprising:

(a) providing a composite construction platform dolly with a rectangular platform support;

5 (b) mounting at least one adjusting means on the support platform;

(c) positioning the at least one adjusting means in order to support a desired piece of item to be moved;

10 (d) positioning the at least one adjusting means in order to support the desired item to be moved;

(e) supporting the desired item to be moved on the platform dolly; and

(f) moving the desired item to be moved on the platform dolly.

20. The method of Claim 19 further comprising:

5 (a) adjusting at one element of the platform support selected from the group consisting a length of the platform dolly, a height of the platform dolly a width of the platform dolly with a T-Bar block holder and a hook and loop assembly to form an adjusted platform support; and

(b) mounting the item to be moved on the adjusted platform support.